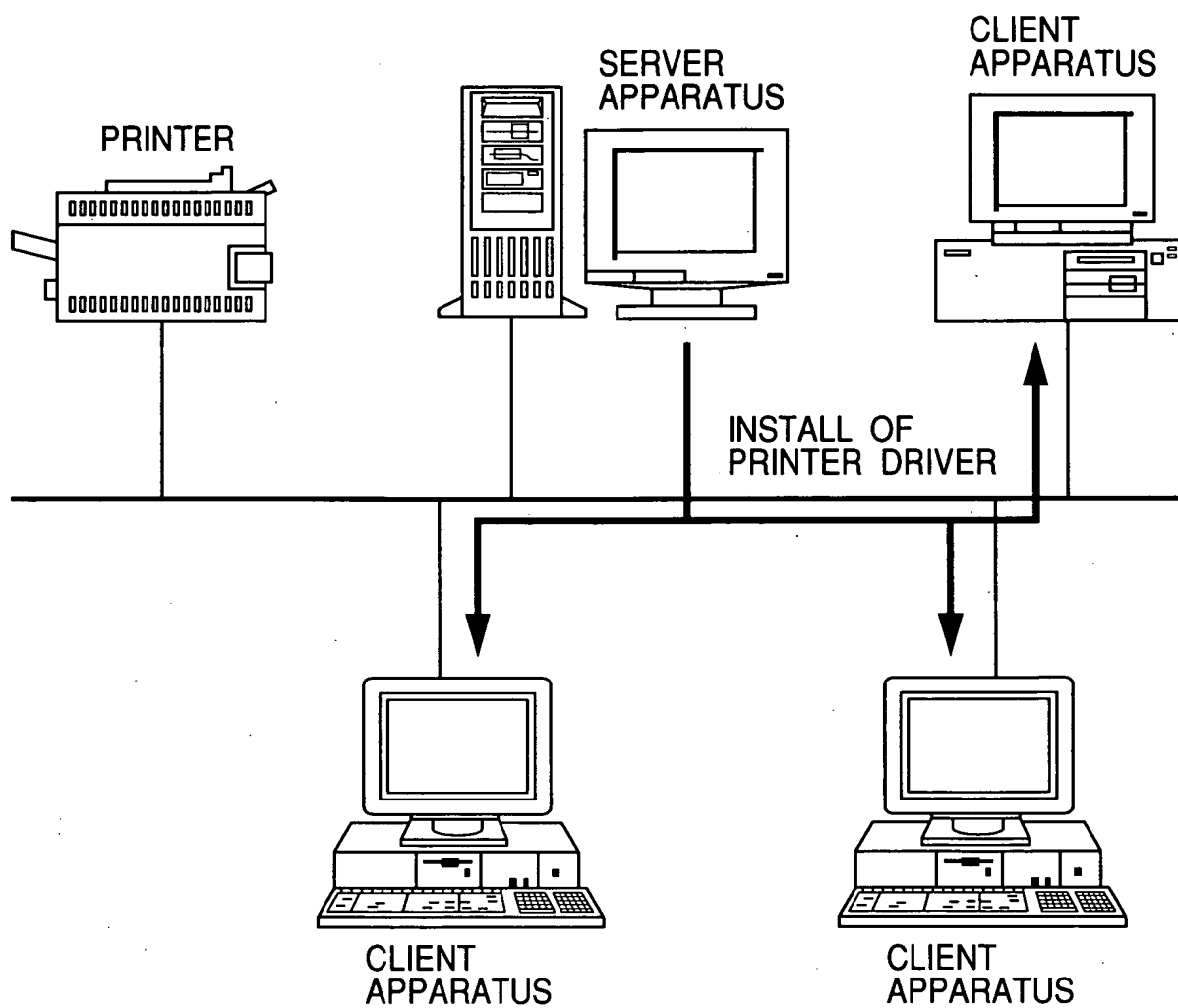


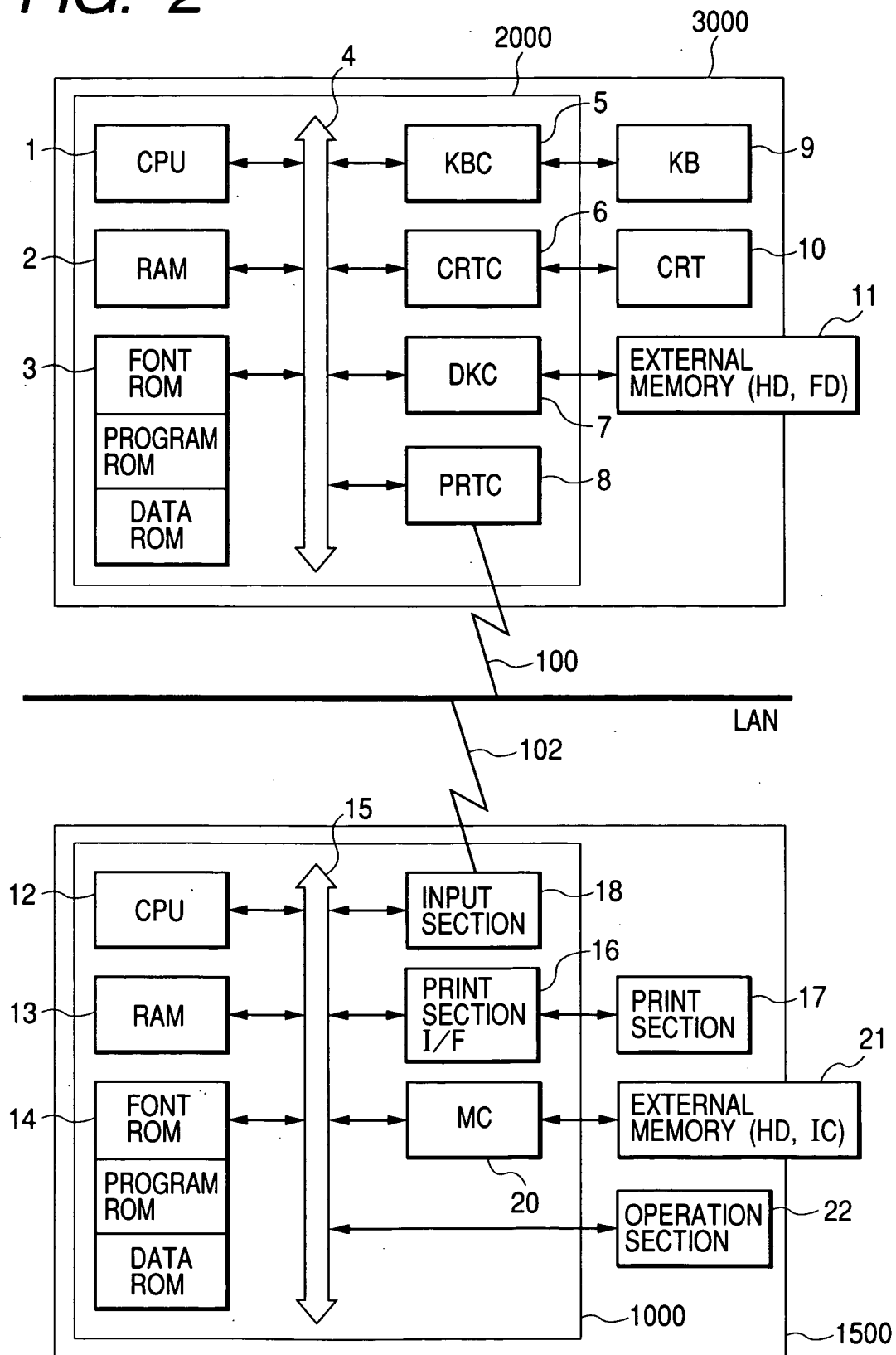
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FIG. 1



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FIG. 2



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FIG. 3A

SERVER APPARATUS

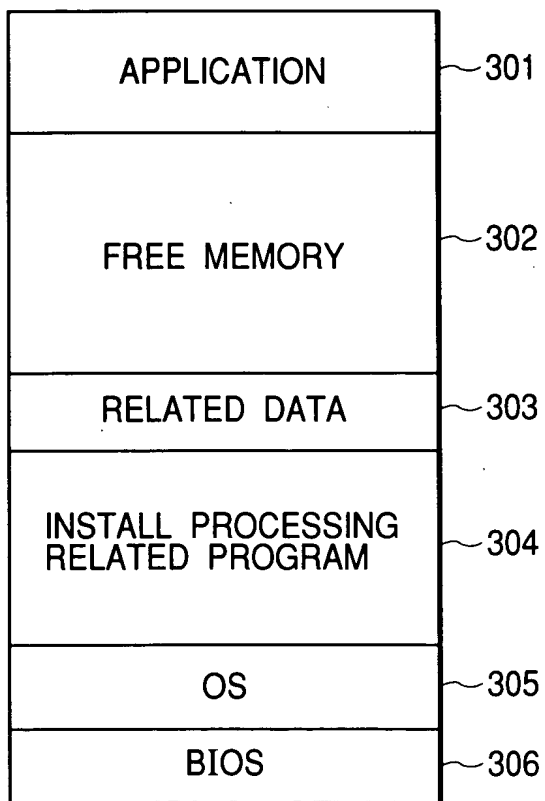
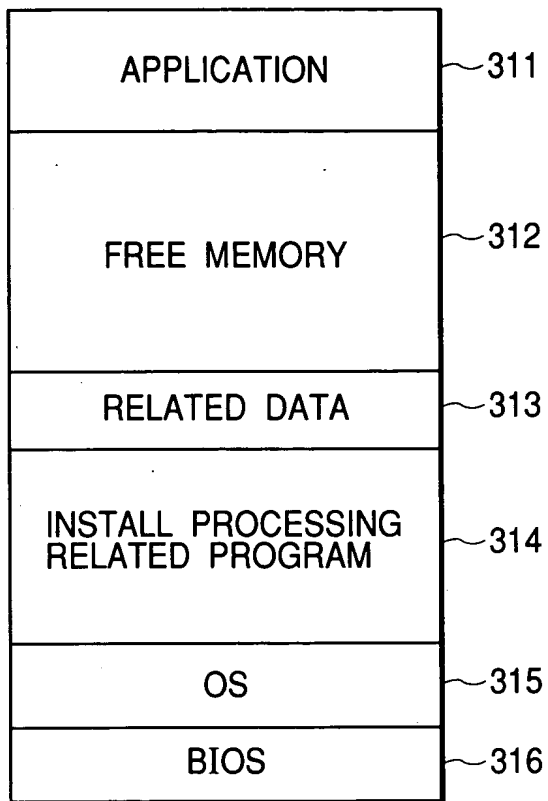


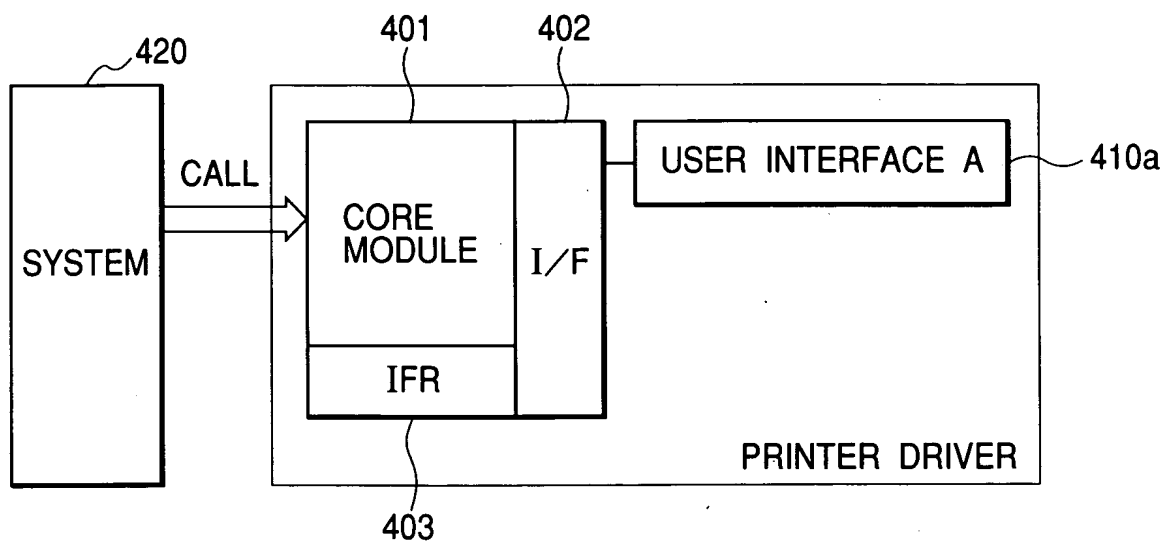
FIG. 3B

CLIENT APPARATUS



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FIG. 4



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FIG. 5A

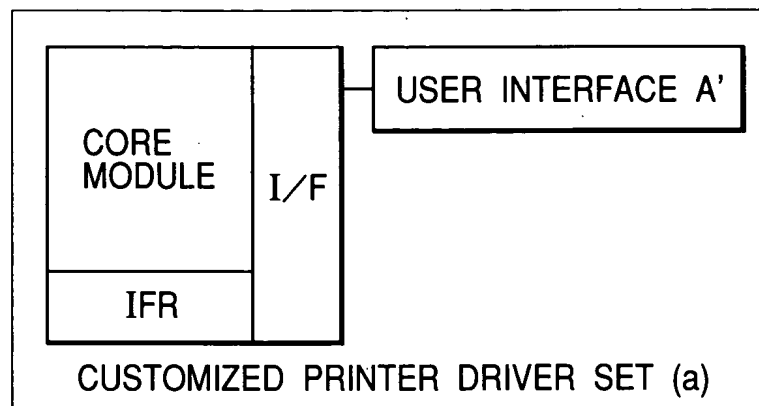
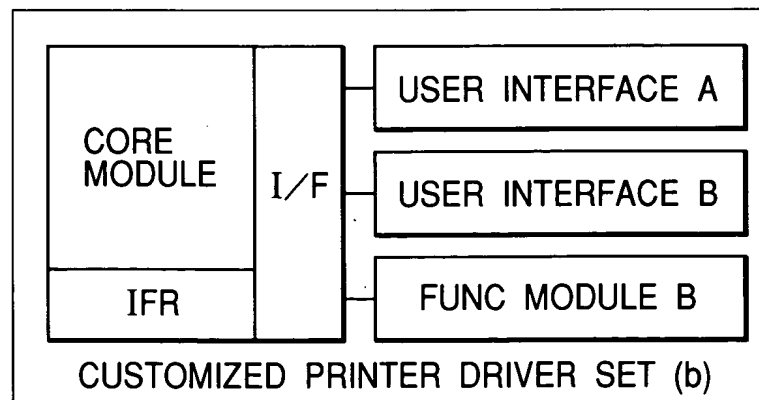


FIG. 5B



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FIG. 6

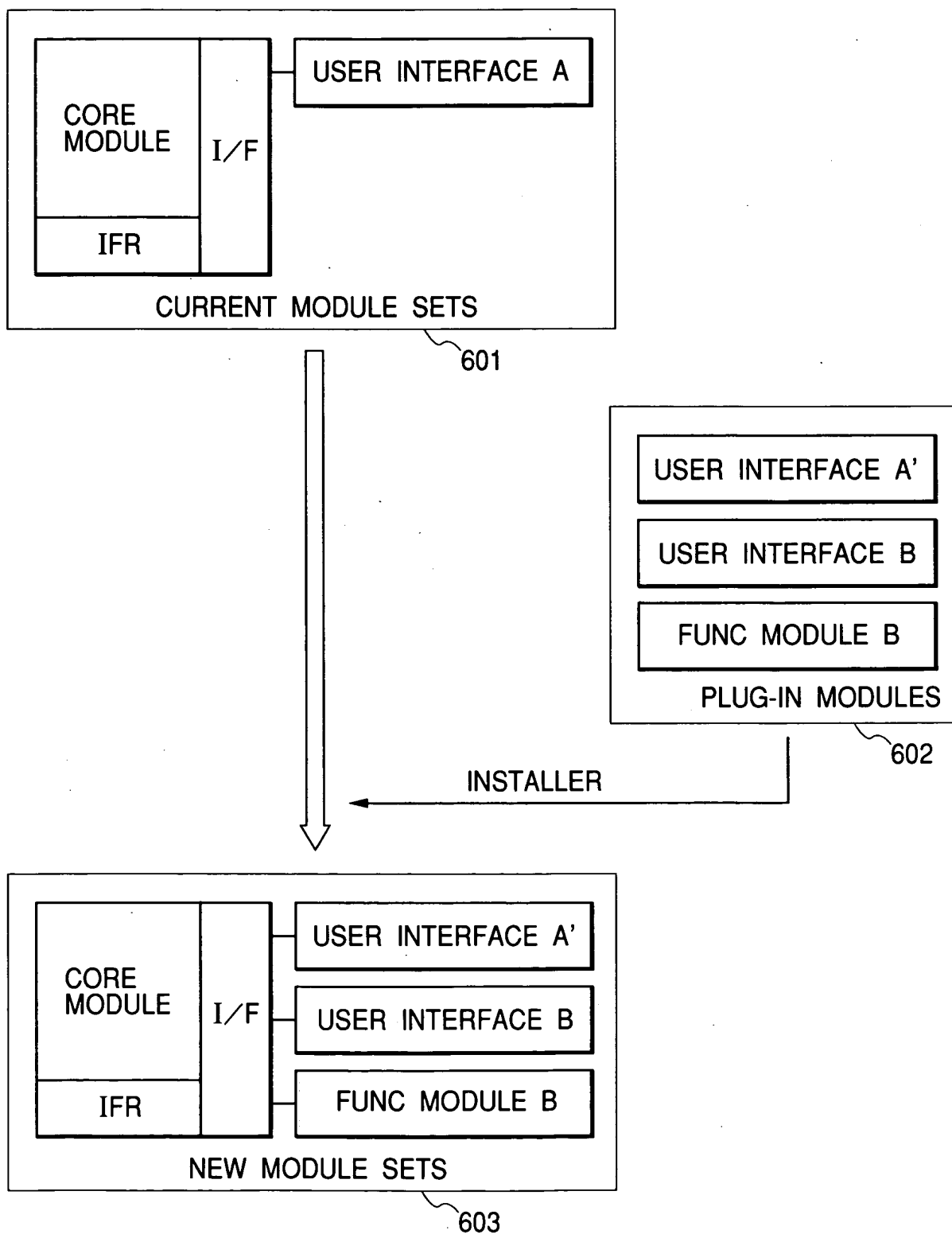


FIG. 7

PRINTER SAMPLE PRINTING PREFERENCES

?
X

PAGE SETUP
FINISHING
PAPER SOURCE
QUALITY

FAVORITE (F):

DEFAULT SETTINGS

PRINT

PAGE SIZE (S):
A4

OUTPUT SIZE (Z):
MATCH PAGE SIZE

COPIES (C):
1
(1 TO 2000)

ORIENTATION (T):

A

☒
PORTRAIT

A

☐
LANDSCAPE

PAGE LAYOUT (L):
1 PAGE PER SHEET (DEFAULT)

☐
MANUAL SCALING (M):
100
% (50 TO 200)

☐
WATERMARK (W):
CONFIDENTIAL

EDIT WATERMARK (I)...

PAGE OPTIONS (N)...
RESTORE DEFAULTS (R)

OK

CANCEL

APPLY (A)

HELP

A4 (SCALING AUTO)

VIEW SETTING (V)

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FIG. 8

PRINTER SAMPLE PRINTING PREFERENCES

PAGE SETUP FINISHING PAPER SOURCE QUALITY

FAVORITE (F): DEFAULT SETTINGS PRINT

PAGE SIZE (S): A4

OUTPUT SIZE (Z): MATCH PAGE SIZE

COPIES (C): 1 (1 TO 2000)

ORIENTATION (T): ☒ PORTRAIT ☐ LANDSCAPE

PAGE LAYOUT (L): 1 PAGE PER SHEET (DEFAULT)

☐ MANUAL SCALING (M): 100 % (50 TO 200)

A4 (SCALING AUTO)

VIEW SETTING (V)

PAGE OPTIONS (N)... RESTORE DEFAULTS (R)

OK CANCEL APPLY (A) HELP

FIG. 9

PRINTER SAMPLE PRINTING PREFERENCES

PAGE SETUP
FINISHING
PAPER SOURCE
QUALITY

FAVORITE (F):

DEFAULT SETTINGS

PRINT

A4 (SCALING AUTO)

VIEW SETTING (V)

PAGE SIZE (S):

A4

OUTPUT SIZE (Z):

MATCH PAGE SIZE

COPIES (C):

1
(1 TO 2000)

ORIENTATION (T):

☒ PORTRAIT
☐ LANDSCAPE

PAGE LAYOUT (L):

1 PAGE PER SHEET (DEFAULT)

PRINTING METHOD (Y):

☒ SINGLE-SIDED PRINTING
☐ DOUBLE-SIDED PRINTING
☐ BOOKBINDING PRINTING

DETAILS OF BOOKBINDING (K)...

PAGE OPTIONS (N)...
RESTORE DEFAULTS (R)

OK

CANCEL

APPLY (A)

HELP

FIG. 10

PRINTER SAMPLE PRINTING PREFERENCES

PAGE SETUP
FINISHING
PAPER SOURCE
QUALITY

PROFILE:

DEFAULT SETTINGS

PRINT

PAGE SIZE:

LETTER

OUTPUT SIZE:

MATCH PAGE SIZE

COPIES:

1
(1 TO 2000)

ORIENTATION:

A

☒
PORTRAIT

A

☐
LANDSCAPE

PAGE LAYOUT:

1 PAGE PER SHEET

☐
MANUAL SCALING:

100
% (25 TO 400)

WATERMARK:

CONFIDENTIAL

EDIT WATERMARK

VIEW SETTINGS

LETTER (SCALING AUTO)

PAGE OPTIONS...

RESTORE DEFAULTS

OK

CANCEL

APPLY (A)

HELP

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FIG. 11

PRINTER SAMPLE PRINTING PREFERENCES

BASIC SETTING | PAGE SETUP | PAGE PROCESSING

FAVORITE (Q): DEFAULT SETTINGS ADD (D) EDIT (I)

PAGE SIZE (S): A4

PAPER FEEDING METHOD (M): AUTO

QUALITY: ☐ FINE (H) ☒ STANDARD (N) ☐ FAST (T) ☐ CUSTOM (U) SETTING (S)

☐ DISPLAY PREVIEW SCREEN AT THE TIME OF PRINTING (W):

☐ A4 PRINT IN THE CENTER: NO SCALING: AUTO

PRINTER INFORMATION (R)... VERSION INFORMATION (B) RESTORE DEFAULTS (F)

OK CANCEL APPLY (A) HELP

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FIG. 12

PRINTER SAMPLE PRINTER PREFERENCES

PAGE SETUP | FINISHING | PAPER SOURCE | QUALITY

FAVORITE (F): DEFAULT SETTINGS PRINT

PAGE SIZE (S): A4

OUTPUT SIZE (Z): MATCH PAGE SIZE

COPIES (C): 1 (1 TO 2000)

ORIENTATION (T): ☐ A ☒ PORTRAIT ☐ LANDSCAPE

PAGE LAYOUT (L): 1 PAGE PER SHEET (DEFAULT)

☐ MANUAL SCALING (M): 100 % (50 TO 200)

☐ WATERMARK (W): CONFIDENTIAL

EDIT WATERMARK (I)...

LETTER (SCALING AUTO)

VIEW SETTING (V)

PAGE OPTIONS (N)... RESTORE DEFAULTS (R)

OK CANCEL APPLY (A) HELP

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FIG. 13

PRINTER SAMPLE PRINTING PREFERENCES

PAGE SETUP | FINISHING | PAPER SOURCE | QUALITY | FAVORITE

LIST OF FAVORITE (L):

- **DEFAULT SETTING**
- NO TRUE TYPE REPLACEMENT
- 2 PAGE/SHEET (ONE SIDE)
- 2 PAGE/SHEET (BOTH SIDES)
- OUTPUT SIZE A4 FIXED
- CONFIDENTIAL
- BITMAP DEVELOPMENT

NAME (N):

COMMENT (C):

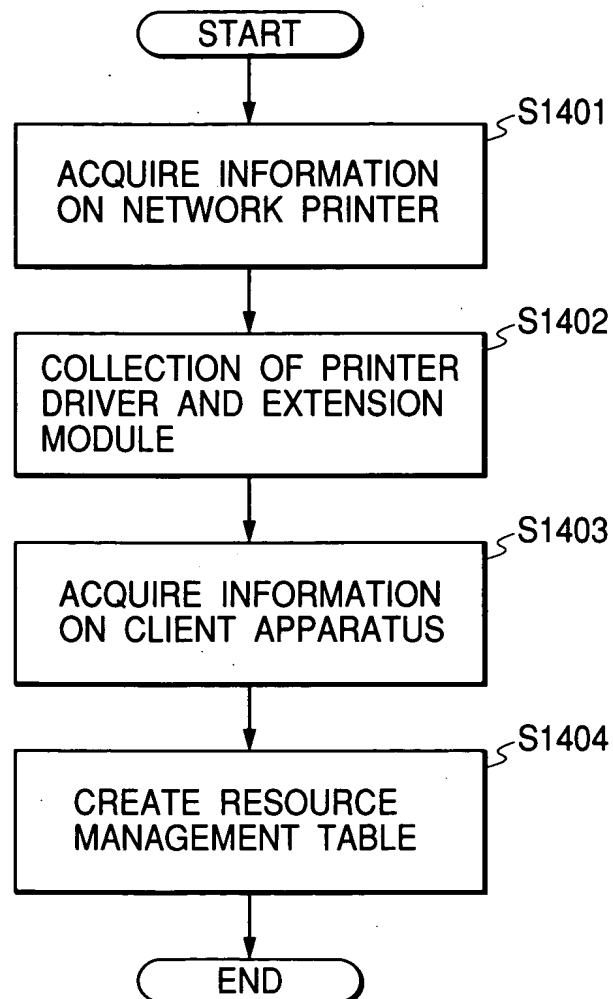
THIS IS A MODE SUITABLE FOR PRINTING
 OF A GENERAL DOCUMENT IN WHICH
 CHARACTERS/IMAGES/GRAPHICS, ETC.
 ARE MIXED.

VIEW SETTING (V) ADD NEW (D)... EDIT (I) DELETE (E)

PERMISSION IN DOCUMENT PROPERTY ☒ PERMIT SELECTION OF FAVORITE (I)
☒ PERMIT EDITION OF SETTING (S)

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FIG. 14



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FIG. 15

PRINTER NAME	PRINTER DRIVER FILE	IP ADDRESS
PRINTER A	xxxx.dll, xxxx.dll, ...	1xx.xxx.xxx.044
PRINTER B	xxxx.dll, xxxx.dll, ...	1xx.xxx.xxx.128
PRINTER C	xxxx.dll, xxxx.dll, ...	1xx.xxx.xxx.221

EXT MODULE NAME	MODULE FILE
USER INTERFACE D	xxxx.dll
USER INTERFACE E	xxxx.dll
USER INTERFACE F	xxxx.dll
FUNC MODULE M	xxxx.dll

CLIENT NAME	IP ADDRESS
CLIENT A	IP_1xx.xxx.xxx.169
CLIENT B	IP_1xx.xxx.xxx.154
CLIENT C	IP_1xx.xxx.xxx.241
CLIENT D	IP_1xx.xxx.xxx.035
CLIENT E	IP_1xx.xxx.xxx.223

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FIG. 16

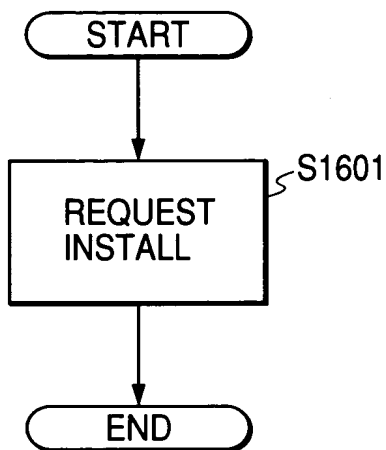
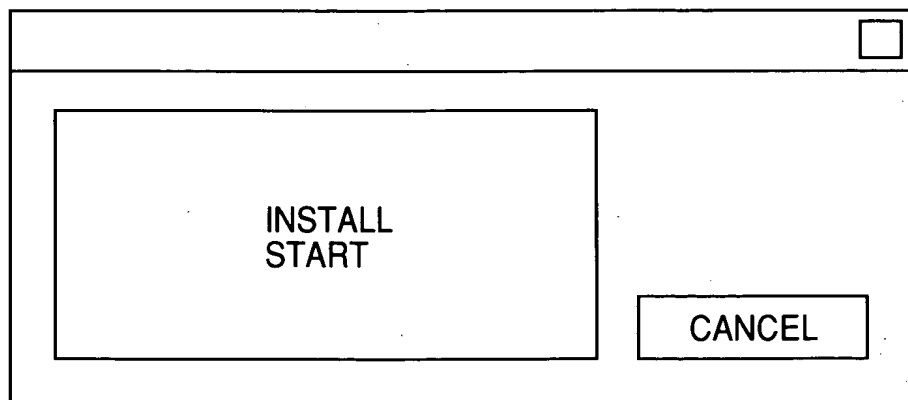
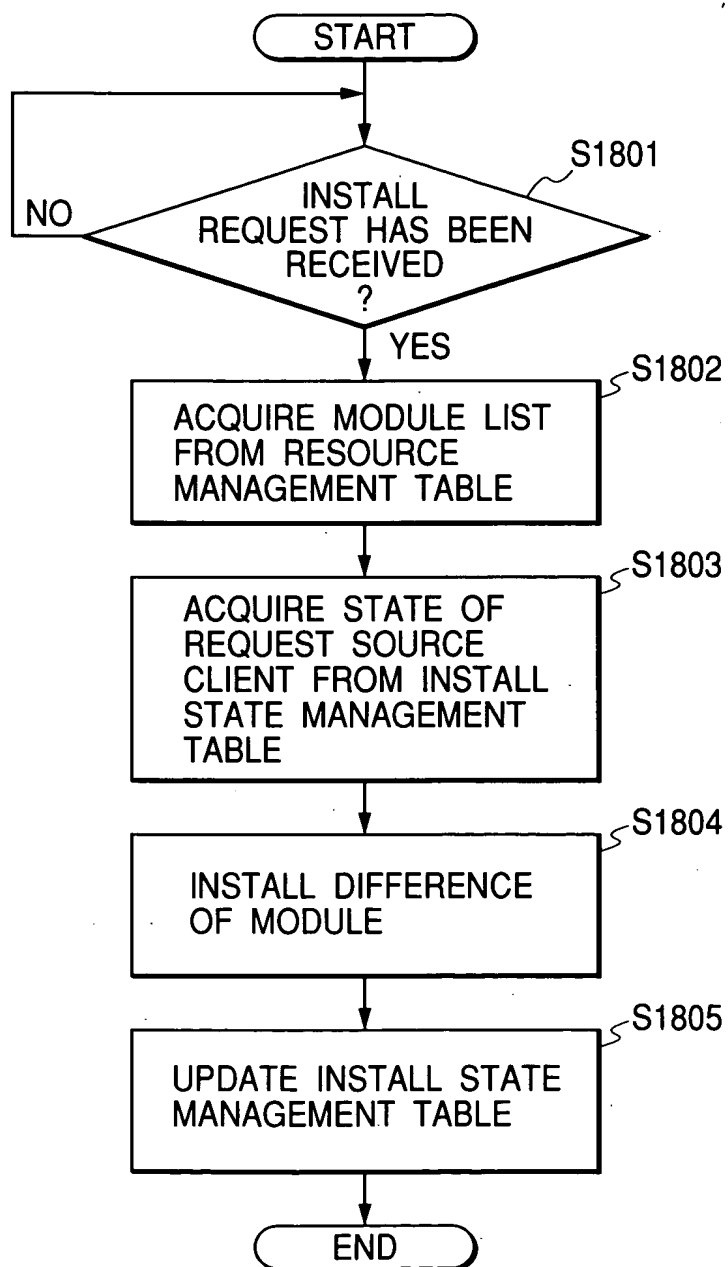


FIG. 17



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FIG. 18



CLIENT	PRINTERS	EXT MODULE
CLIENT A	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
CLIENT B	PRINTER A PRINTER B	FUNC MODULE M
CLIENT C		
...

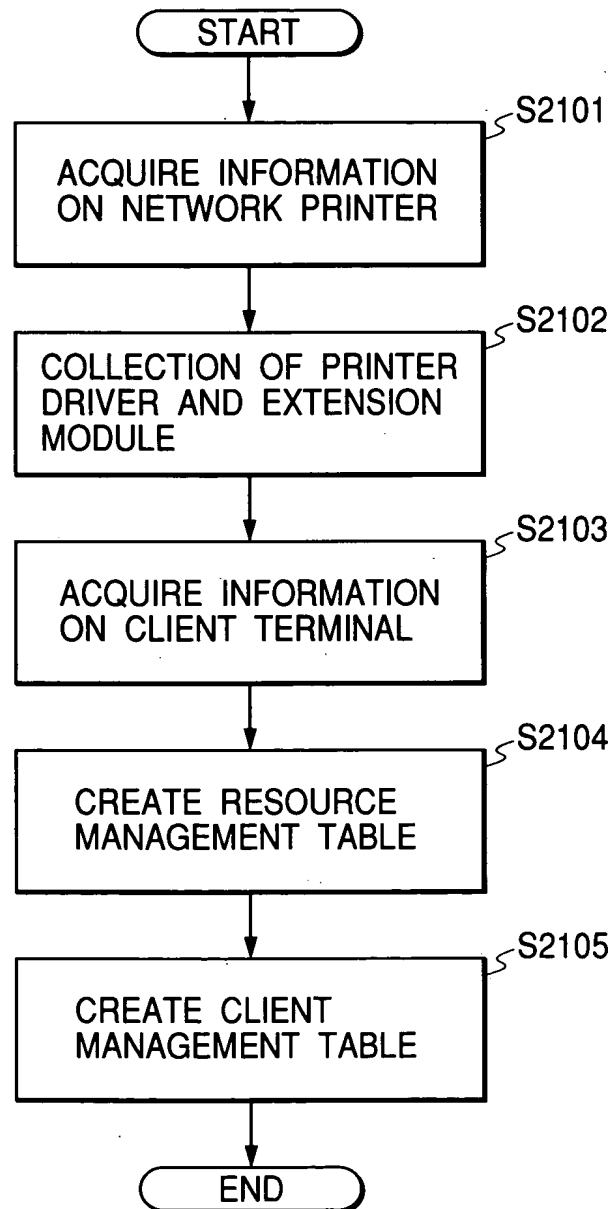
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FIG. 20

CLIENT	PRINTERS	EXT MODULE
CLIENT A	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
CLIENT B	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
CLIENT C	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
⋮	⋮	⋮

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FIG. 21



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FIG. 22

CLIENT	PRINTERS	EXT MODULE
CLIENT A	PRINTER A	
CLIENT B	PRINTER A PRINTER B	USER INTERFACE E
CLIENT C	PRINTER A PRINTER B PRINTER C	USER INTERFACE D FUNC MODULE M
CLIENT D	PRINTER B	USER INTERFACE E
CLIENT E	PRINTER C	USER INTERFACE F

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FIG. 23

CLIENT	PRINTERS	EXT MODULE	INSTALL DIFFERENCE	
CLIENT A	PRINTER A			
CLIENT B	PRINTER A PRINTER B	FUNC MODULE E		
CLIENT C	PRINTER A	FUNC MODULE M	<- PRINTER B <- PRINTER C	<- USER INTERFACE D
CLIENT D			<- PRINTER B	<- USER INTERFACE E
CLIENT E	PRINTER C	USER INTERFACE F		

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FIG. 24

☐ ☐ ☐ ☐

CLIENTS:

CLIENT A (IP_1xx.xxx.xxx.169)
CLIENT B (IP_1xx.xxx.xxx.154)
CLIENT C (IP_1xx.xxx.xxx.241)
CLIENT D (IP_1xx.xxx.xxx.035)
CLIENT E (IP_1xx.xxx.xxx.223)

PRINTERS:

<input checked="" type="checkbox"/> PRINTER A (IP_1xx.xxx.xxx.044)
<input checked="" type="checkbox"/> PRINTER B (IP_1xx.xxx.xxx.128)
<input type="checkbox"/> PRINTER C (IP_1xx.xxx.xxx.221)

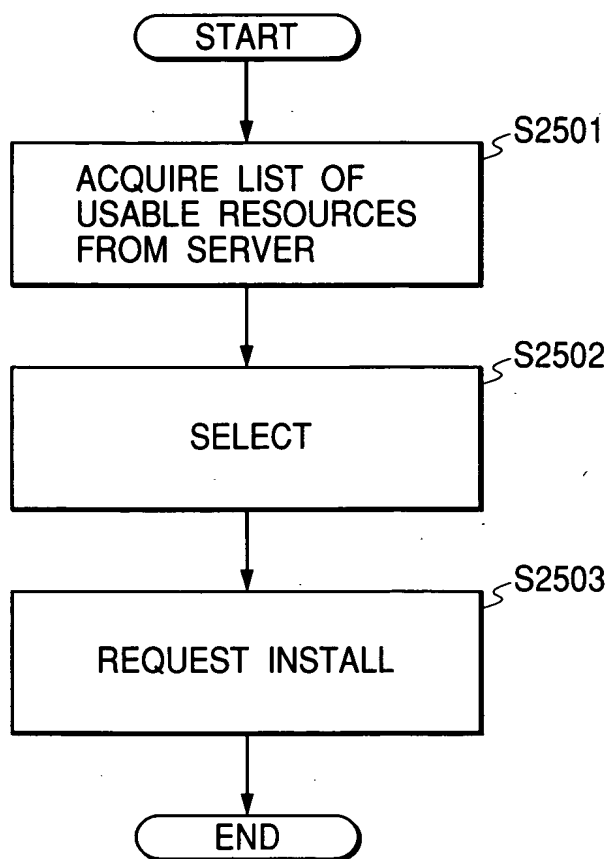
FUNCTIONS:

USER INTERFACE D
USER INTERFACE E
USER INTERFACE F

ADD CLIENT OK CANCEL

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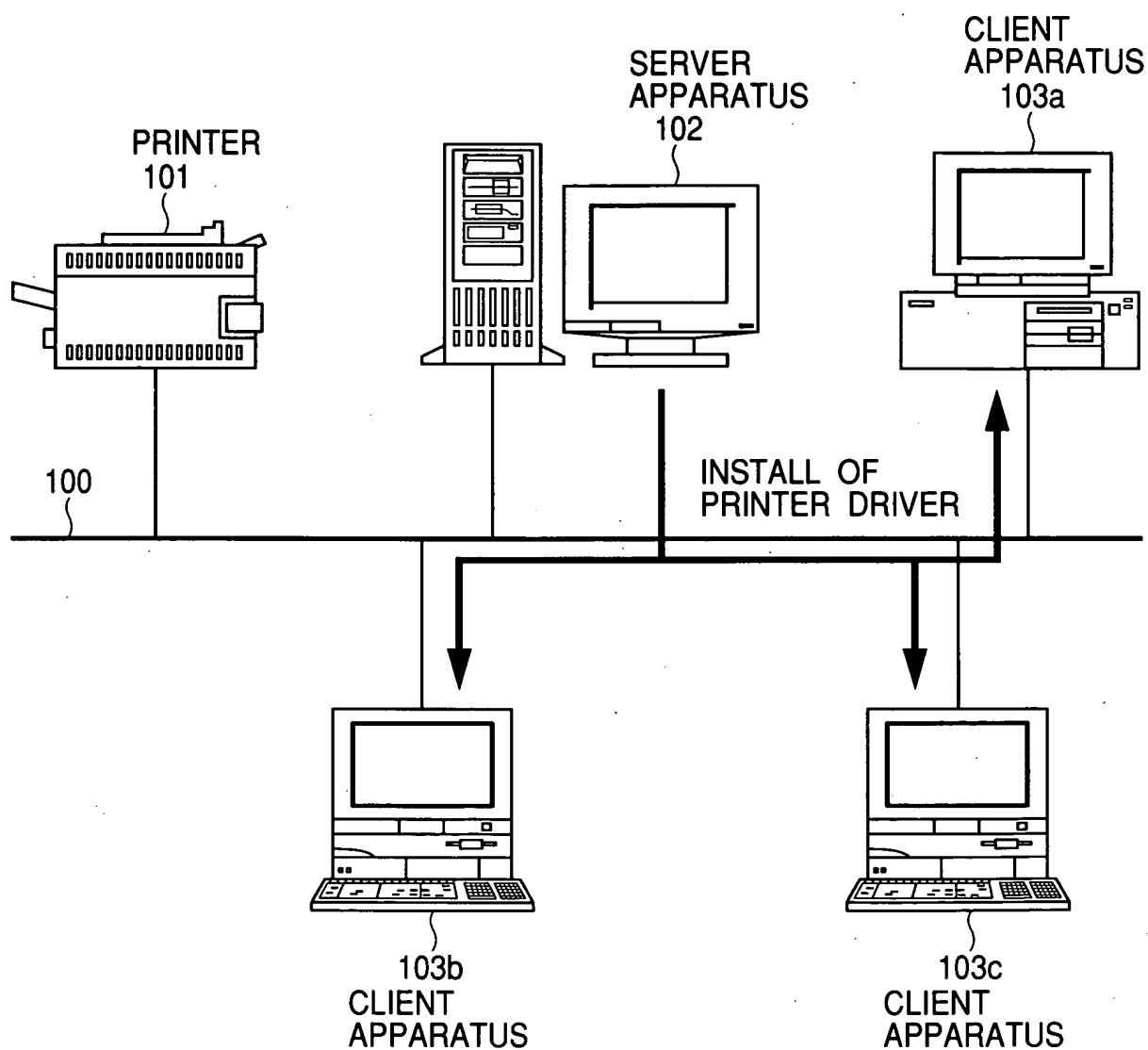
FIG. 25



PRINTERS:	FUNCTIONS:
PRINTER A (IP_1xx.xxx.xxx.044)	USER INTERFACE D
PRINTER B (IP_1xx.xxx.xxx.128)	USER INTERFACE E
PRINTER C (IP_1xx.xxx.xxx.221)	USER INTERFACE F

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FIG. 27



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FIG. 28

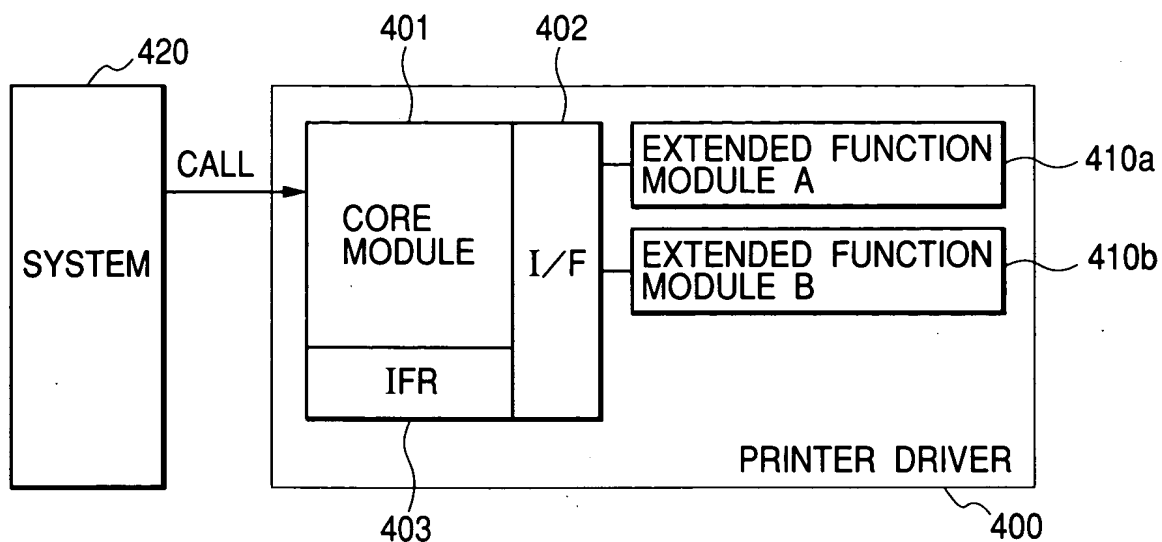
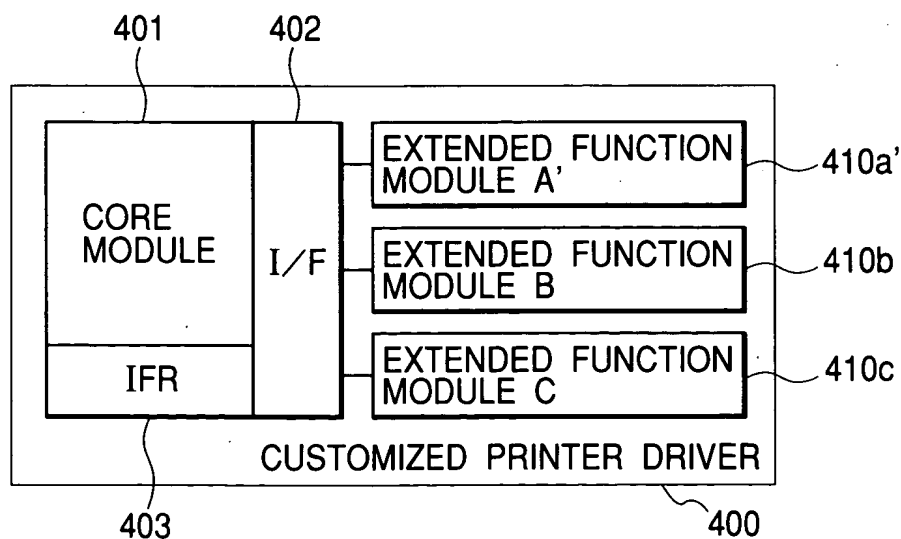
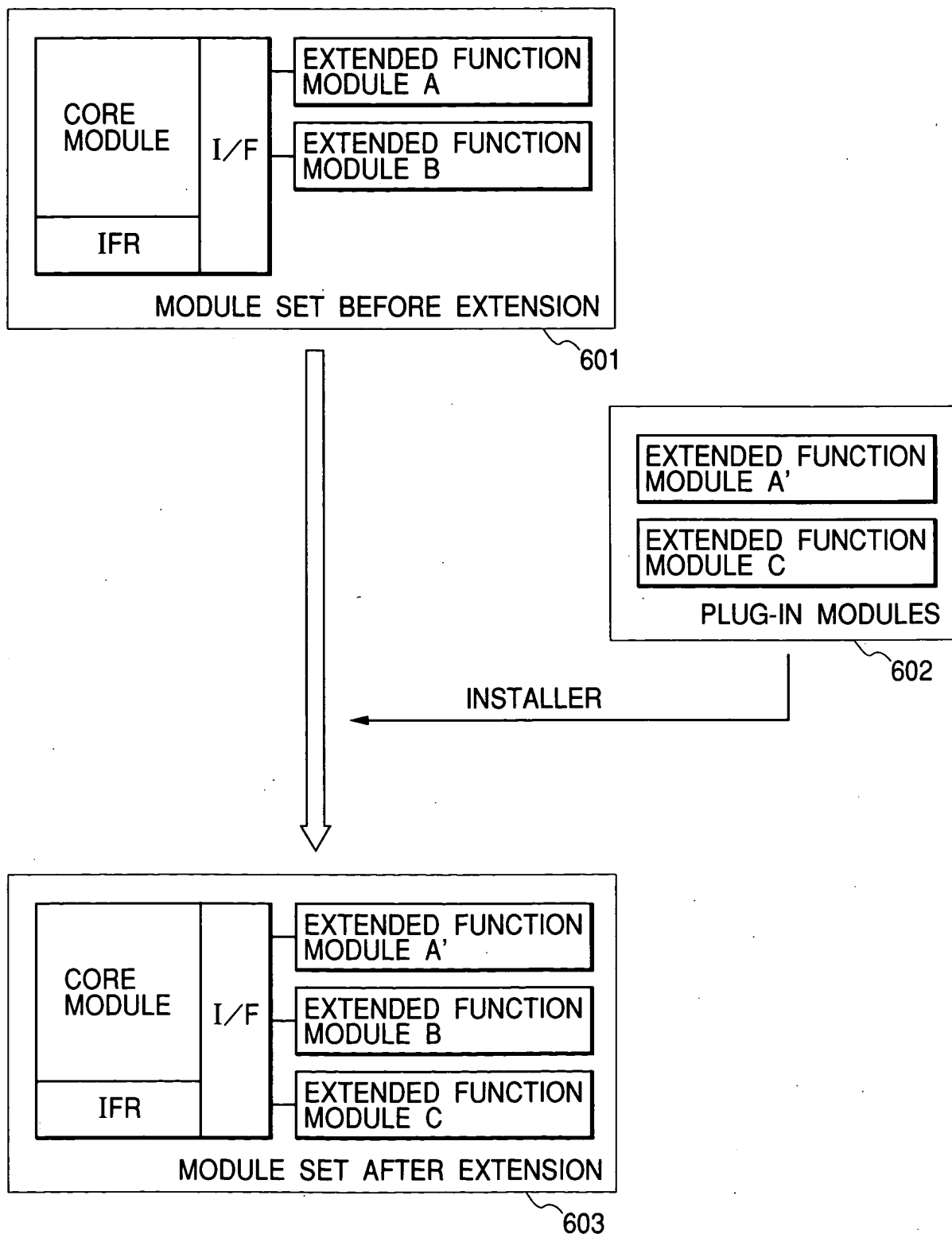


FIG. 29



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FIG. 30



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FIG. 31

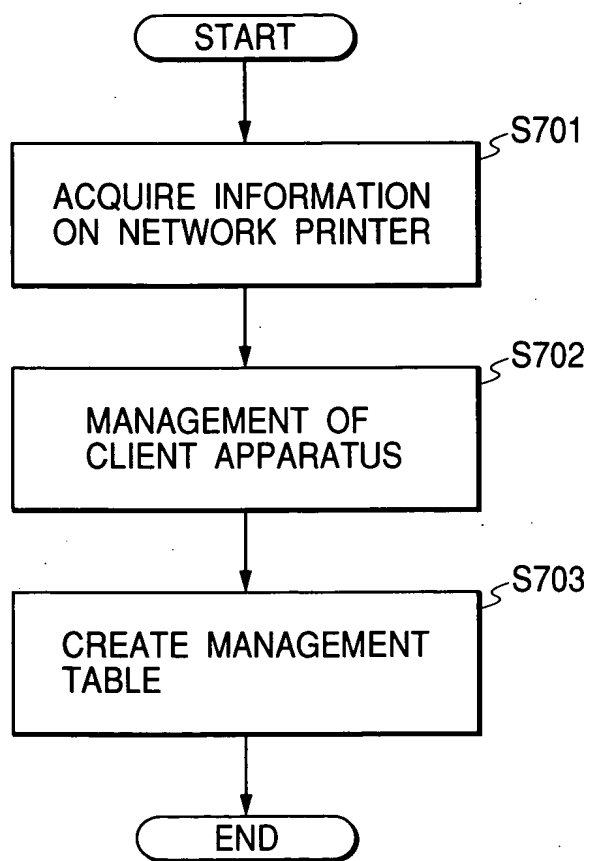


FIG. 32

801

CLIENT	PRINTER	FUNCTION
CLIENT A	PRINTER A	EXTENDED FUNCTION MODULE D
CLIENT B	PRINTER A PRINTER B	EXTENDED FUNCTION MODULE E
CLIENT C	PRINTER A PRINTER B PRINTER C	EXTENDED FUNCTION MODULE D EXTENDED FUNCTION MODULE E
CLIENT D	PRINTER B	EXTENDED FUNCTION MODULE E EXTENDED FUNCTION MODULE F
CLIENT E	PRINTER C	

FIG. 33

☐ ☐ ☐

CLIENT:

CLIENT A (IP_1xx.xxx.xxx.169)

CLIENT B (IP_1xx.xxx.xxx.154)

CLIENT C (IP_1xx.xxx.xxx.241)

CLIENT D (IP_1xx.xxx.xxx.035)

CLIENT E (IP_1xx.xxx.xxx.223)

PRINTER:

☒ PRINTER A (IP_1xx.xxx.xxx.044)

☒ PRINTER B (IP_1xx.xxx.xxx.128)

☐ PRINTER C (IP_1xx.xxx.xxx.221)

FUNCTION:

☐ EXTENDED FUNCTION MODULE D

☒ EXTENDED FUNCTION MODULE E

☐ EXTENDED FUNCTION MODULE F

ADD CLIENT OK CANCEL

901 902 903

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FIG. 34

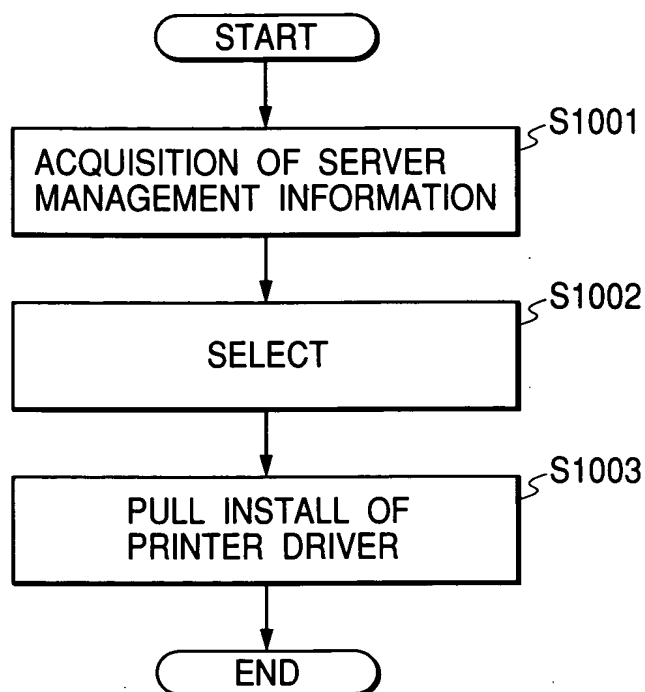
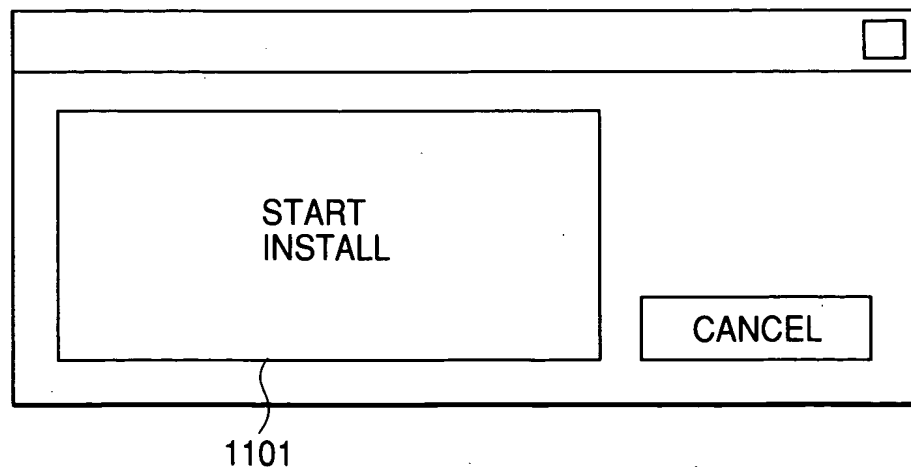


FIG. 35



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FIG. 36

1200

☐ ☐ ☐ ☐

CLIENT:

CLIENT A (IP_1xx.xxx.xxx.169)

CLIENT B (IP_1xx.xxx.xxx.154)

CLIENT C (IP_1xx.xxx.xxx.241)

CLIENT D (IP_1xx.xxx.xxx.035)

CLIENT E (IP_1xx.xxx.xxx.223)

1201

PRINTER AND FUNCTION:

☒ PRINTER A (IP_1xx.xxx.xxx.044)

☐ EXTENDED FUNCTION MODULE D

☒ EXTENDED FUNCTION MODULE E

☒ PRINTER B (IP_1xx.xxx.xxx.128)

☒ EXTENDED FUNCTION MODULE D

☐ EXTENDED FUNCTION MODULE E

☒ EXTENDED FUNCTION MODULE F

☐ PRINTER C (IP_1xx.xxx.xxx.221)

☐ EXTENDED FUNCTION MODULE E

1202

ADD CLIENT

OK

CANCEL

FIG. 37

☐

☐☐☐☐

PRINTER:

PRINTER A (IP_1xx.xxx.xxx.044)

PRINTER B (IP_1xx.xxx.xxx.128)

PRINTER C (IP_1xx.xxx.xxx.221)

FUNCTION:

EXTENDED FUNCTION MODULE D

EXTENDED FUNCTION MODULE E

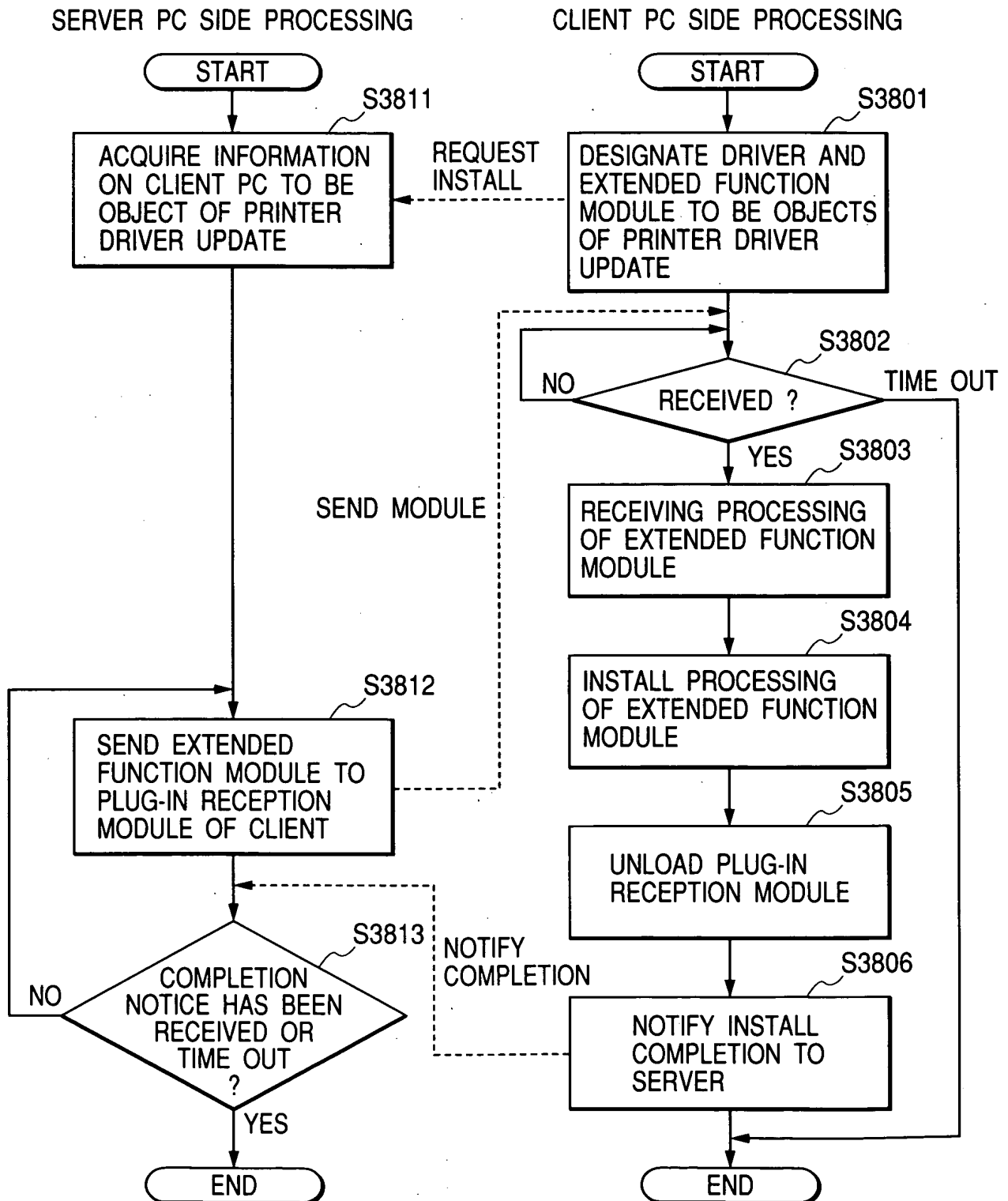
EXTENDED FUNCTION MODULE F

INSTALL

CLOSE

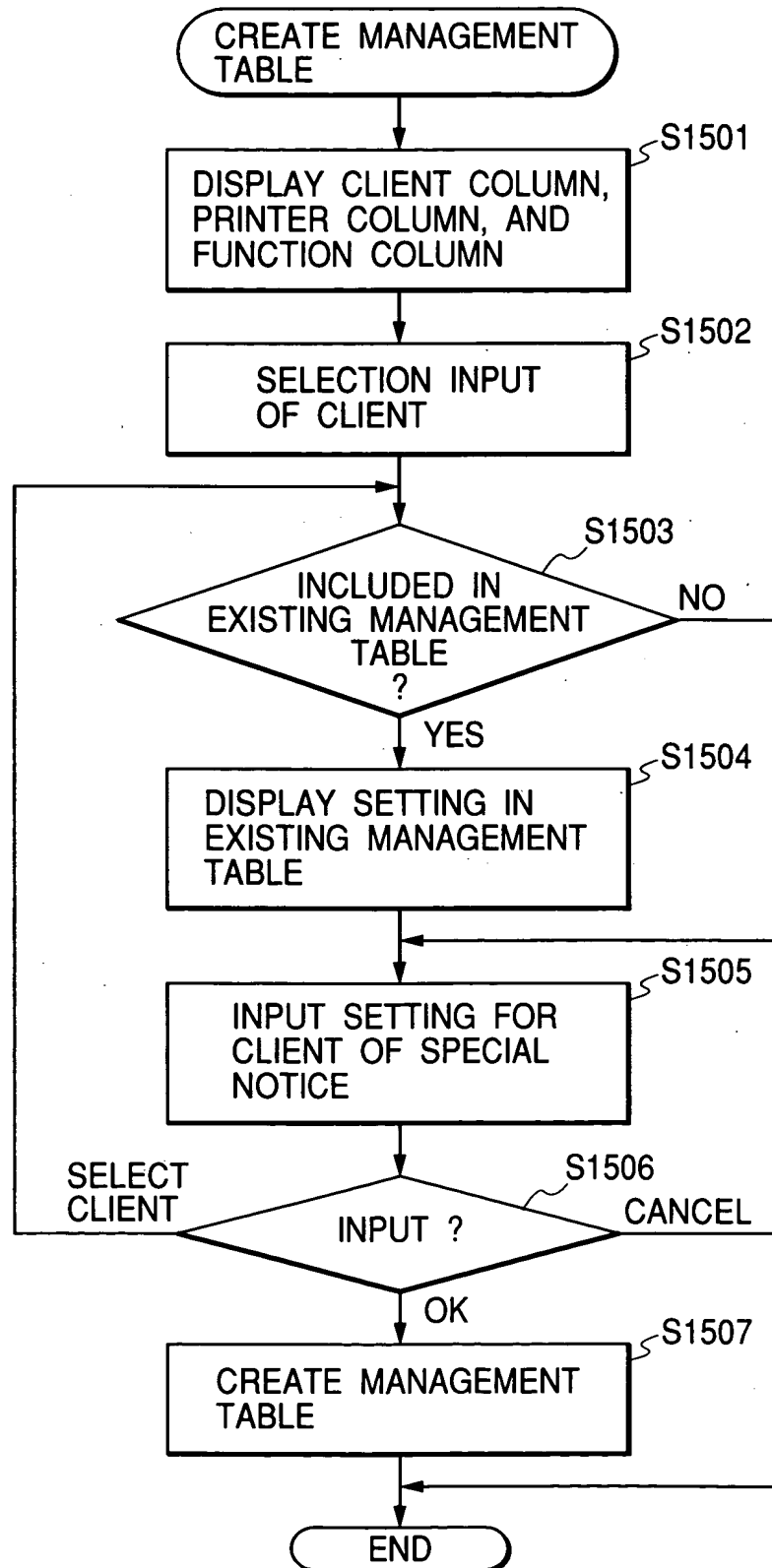
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FIG. 38



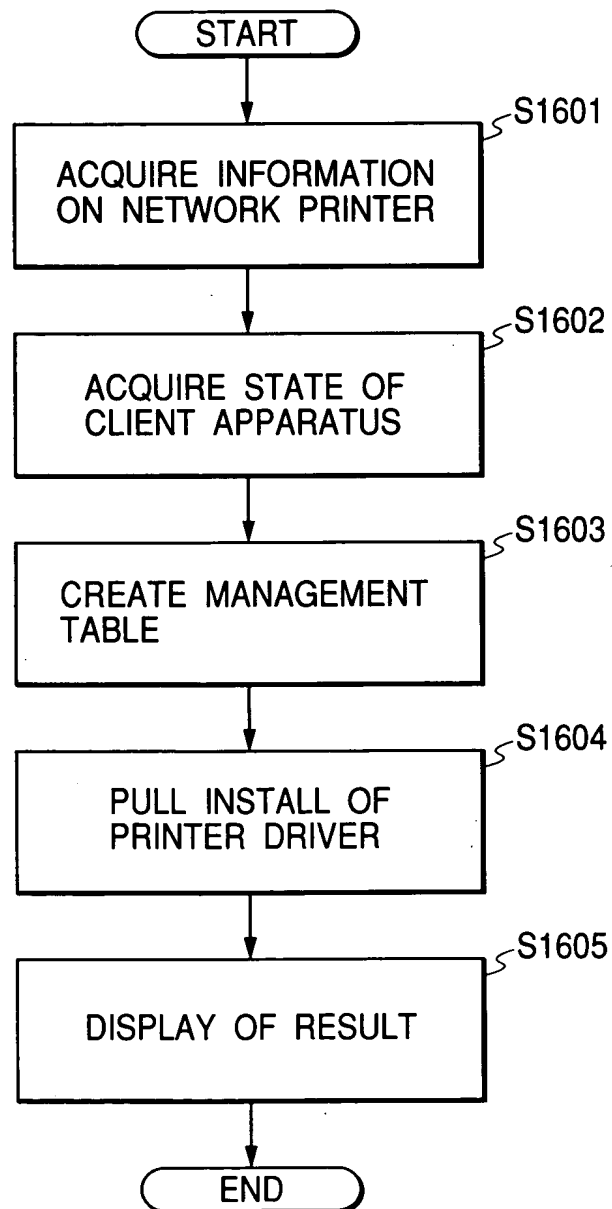
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FIG. 39



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FIG. 40



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FIG. 41

